

***Microbiology: An Introduction, 13e* (Tortora et al.)**
Chapter 1 The Microbial World and You

1.1 Multiple-Choice Questions

1) Microorganisms are involved in each of the following processes EXCEPT

- A) infection.
- B) decomposition of organic material.
- C) O₂ production.
- D) food production.
- E) smog production.

Answer: E

Section: 1.1

Bloom's Taxonomy: Remembering

Learning Outcome: 1.1

Global Outcome: 5

2) Each of the following organisms would be considered a microbe EXCEPT

- A) yeast.
- B) protozoan.
- C) bacterium.
- D) mushroom.
- E) virus.

Answer: D

Section: 1.1

Bloom's Taxonomy: Remembering

Learning Outcome: 1.4

3) The term used to describe a disease-causing microorganism is

- A) microbe.
- B) bacterium.
- C) virus.
- D) pathogen.
- E) infection.

Answer: D

Section: 1.1

Bloom's Taxonomy: Remembering

Learning Outcome: 1.1

4) Common commercial benefits of microorganisms include synthesis of

- A) riboflavin.
- B) acetone.
- C) insulin.
- D) aspirin.
- E) riboflavin, acetone and insulin.

Answer: E

Section: 1.1

Bloom's Taxonomy: Remembering

ASMcue Outcome: 6.3

Learning Outcome: 1.1

5) What factors contribute to the rising incidence of antibiotic resistance?

- A) overuse of the specific drugs
- B) misuse of the specific drugs
- C) random mutations in bacterial genomes
- D) random mutations, overuse and misuse of specific drugs
- E) overuse and misuse of specific drugs

Answer: D

Section: 1.5

Bloom's Taxonomy: Understanding

ASMcue Outcome: 4.1

Learning Outcome: 1.19

Global Outcome: 5

6) The formal system for classifying and naming organisms was developed by

- A) Robert Koch.
- B) Ignaz Semmelweis.
- C) Aristotle.
- D) Carolus Linnaeus.
- E) Louis Pasteur.

Answer: D

Section: 1.2

Bloom's Taxonomy: Remembering

Learning Outcome: 1.3

7) In the name *Staphylococcus aureus*, *aureus* is the

- A) genus.
- B) domain name.
- C) species.
- D) kingdom.
- E) family name.

Answer: C

Section: 1.2

Bloom's Taxonomy: Understanding

Learning Outcome: 1.3

8) A prokaryotic cell may possess each of the following cellular components EXCEPT

- A) flagella.
- B) a nucleus.
- C) ribosomes.
- D) a cell wall.
- E) a cell membrane.

Answer: B

Section: 1.2

Bloom's Taxonomy: Remembering

ASMcue Outcome: 2.1

Learning Outcome: 1.4

9) Which of the following is NOT associated with viruses?

- A) organelles
- B) nucleic acid
- C) envelope
- D) chemical reactions
- E) protein coat

Answer: A

Section: 1.2

Bloom's Taxonomy: Understanding

ASMcue Outcome: 2.1

Learning Outcome: 1.4